

CC2-03-P

Types of Age-Sex Pyramids

Study Material

By

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Sources:

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2.6.3

Concept

An age-sex pyramid breaks down a country's or location's population into male and female genders and age ranges. Usually, you'll find the left side of the pyramid graphing the male population and the right side of the pyramid displaying the female population.

Along the horizontal axis (x-axis) of a population pyramid, the graph displays the population number. It can represent a total population of that age—the total number of males/females who are of a certain age. Or, the number can stand for a percentage of the population at that age—how many percent of the entire population are of a certain age. The center of the pyramid starts at zero population and extends out to the left for males and right for females in increasing size or proportion of the population.

Along the vertical axis (y-axis), age-sex pyramids display five-year age increments, from birth at the bottom to old age at the top.

2.6.3

Concept

Some Graphs Actually Look Like a Pyramid

Generally, when a population is growing steadily, the longest bars of the graph will appear at the bottom of the pyramid and will generally decrease in length as the top of the pyramid is reached. This indicates a large population of infants and children, which declines toward the top of the pyramid due to the death rate.

Age-sex pyramids graphically display long-term trends in the birth and death rates but also reflect shorter-term baby-booms, wars, and epidemics.

Sources

- Gygi, F. "Impact of Japan's Shrinking Population 'Already Palpable.'" Deutsche Welle, June 2015.
- Ghosh, P. "Japan Encourages Young People to Date and Mate to Reverse Birth Rate Plunge, but It May Be Too Late." International Business Times, New York, NY, March 21, 2014.

2.6.3

Types Of Pyramids

There are four kinds of pyramids included in your syllabus. They are:-

1. Progressive
2. Regressive
3. Intermediate
4. Stationary

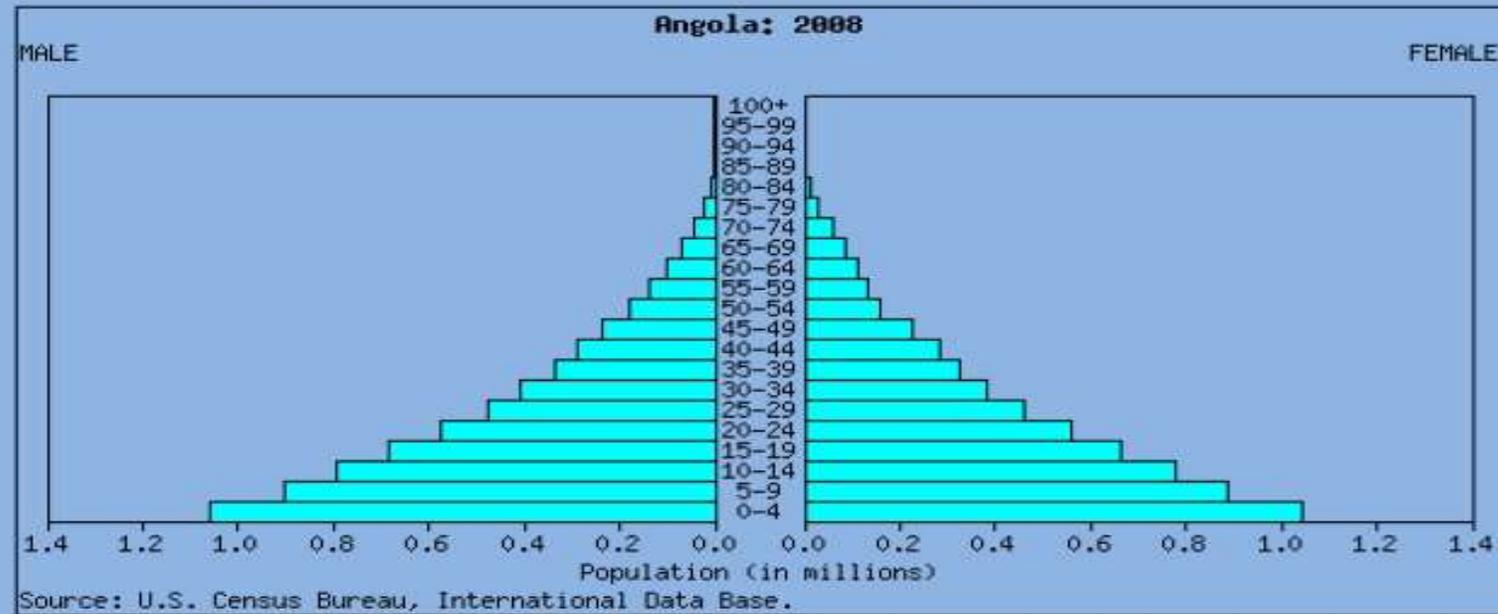
Lets discuss it all one by one. You have to prepare graphical representation of these and analyse all.

2.6.3

Discussion

Progressive pyramid – A **Pyramid** with a high birth rate and a high death rate.

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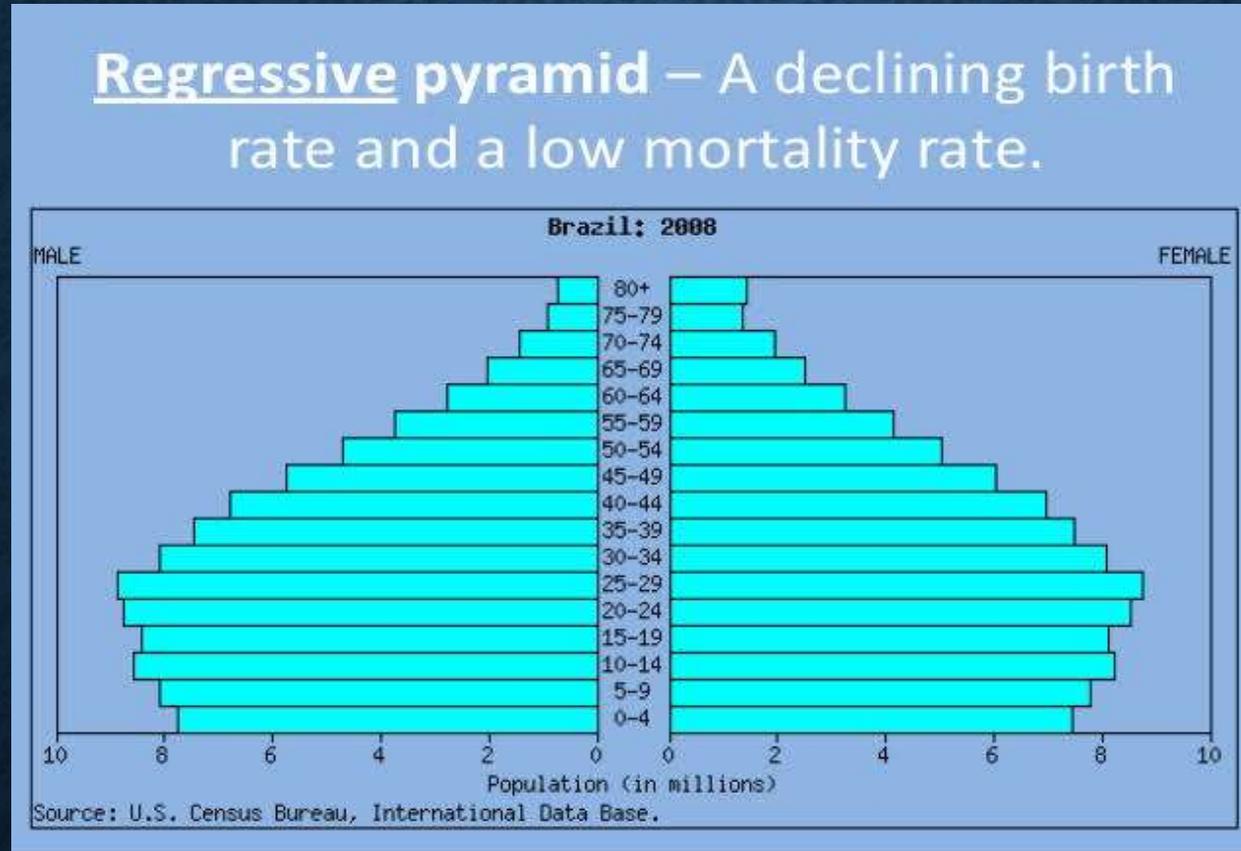


As you can see this an example of progressive pyramid showing population (in million) of the country ANGOLA in 2008

2.6.3

Discussion

Regressive pyramid – A declining birth rate and a low mortality rate.

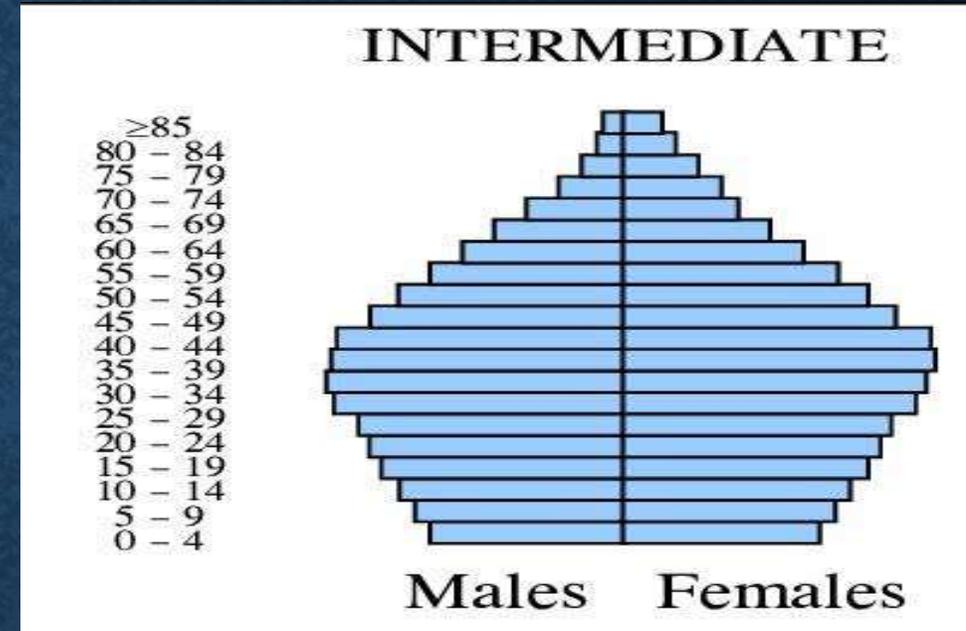


As you can see this an example of regressive pyramid showing population (in million) of the country BRAZIL in 2008

2.6.3

Discussion

Intermediate or expansive pyramid: Expansive population pyramids depict populations that have a larger percentage of people in younger age groups. Populations with this shape usually have high fertility rates with lower life expectancies. Many third world countries have expansive population pyramids.

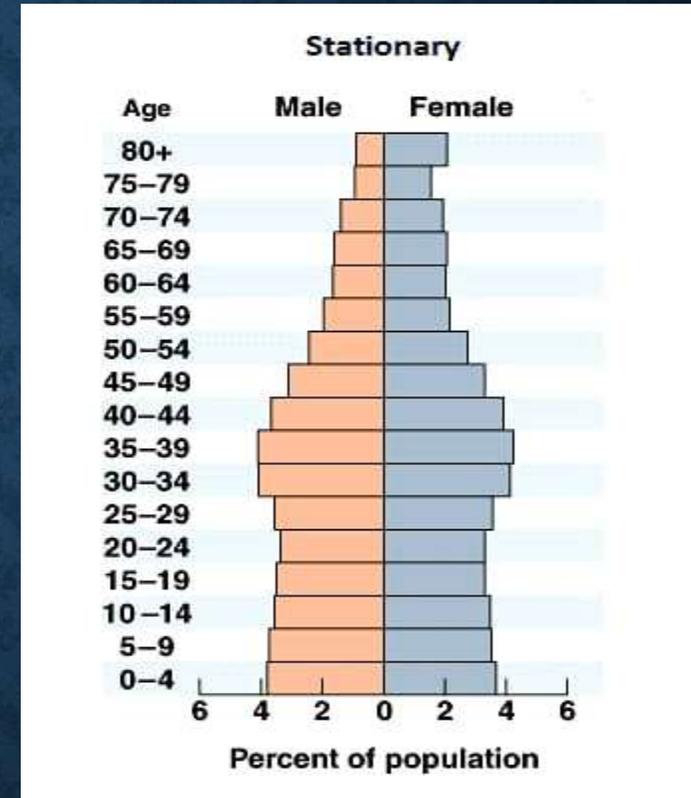


As you can see this an example of **expansive** pyramid showing population of a certain country.

2.6.3

Discussion

Stationary pyramid – A population pyramid showing an unchanging pattern of fertility and mortality. A pyramid can be described as stationary if the percentages of population (age and sex) remains constant over time. Stationary population is when a population contains equal birth rates and death rates.



As you can see this an example of **expansive** pyramid showing population of a certain country.

2.6.3

Conclusion

A population pyramid, also called an "age-gender-pyramid", is a graphical illustration that shows the distribution of various age groups in a population (typically that of a country or region of the world), which forms the shape of a pyramid when the population is growing.

Thank

You